SENNIGER, POWERS, LEAVITT & ROEDEL ATTORNEYS AT LAW

RANK R. AGOVINO DERICK E. ALLEN ROBERT M. BAIN JAMES J. BARTA, JR. G. HARLEY BLOSSER JOHN M. BODENHAUSEN RICHARD L. BRIDGE SARAH J. CHICKOS 1. BENNETT CLARK JENNIFER E. COOK DAVID E. CRAWFORD, JR. MATTHEW L. CUTLER JAMES E. DAVIS KATHRYN J. DOTY ROBERT M. EVANS, JR. PAUL I.J. FLEISCHUT MICHAEL E. GODAR CHRISTOPHER M. GOFF DAVID W. HARLAN JAMES D. HARPER

EDWARD J. HEJLEK KAREN Y. HUI KURT F. JAMES VINCENT M. KEIL ANTHONY R. KINNEY BRIAN P. KLEIN WILLIAM E. LAHEY JULIE J. McMURRY MICHAEL G. MUNSELL DEBRA D. NYE WILLIAM D. O'NEILL KATHLEEN M. PETRILLO LAURA R. POLCYN KEITH A. RABENBERG STEVEN M. RITCHEY JOHN K. ROEDEL, JR. RICHARD A. SCHUTH MICHAEL J. THOMAS DONALD W. TUEGEL JACOB S. WHARTON

ONE METROPOLITAN SQUARE
16TH FLOOR
ST. LOUIS, MISSOURI 63102
314-231-5400

July 9, 2001

FACSIMILE 314-231-4342 http://www.senniger.com

PATENTS, TRADEMARKS, COPYRIGHTS

AND RELATED MATTERS

OF COUNSEL
IRVING POWERS
DONALD G. LEAVITT
RICHARD G. HEYWOOD

STUART N. SENNIGER (1921-1997)

OF TO SEN 1992 (1991-1997)

OF TO SEN 1992 (1991-1997)

UTILITY PATENT APPLICATION TRANSMITTAL

(new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket Number: UMO 1531.1 First Named Inventor: Hale et al.

Title: LARGE SCALE EXPRESSION AND PURIFICATION OF RECOMBINANT

PROTEINS

Express Mail Label Number: EL801508105US

TO: Assistant Commissioner for Patents Box Patent Application Washington, D.C. 20231

APPLICATION ELEMENTS

- 1. [X] Fee Transmittal Form (original and duplicate)
- 2. [X] Applicant claims small entity status
- 3. [X] Specification [Total Pages <u>27</u>]
- 4. [X] Drawings [Total Sheets 3]
- 5. Oath or Declaration [Total Pages ___]
 - Newly executed (original or copy)
 - [X] New (unexecuted)
 - - i. [] DELETION OF INVENTOR(s)
 Signed statement attached
 deleting inventor(s) named
 in prior application.

6.	copy cons: accor	(useable if Box 5b is marked) entire disclosure of the prior application, from which a of the oath or declaration is supplied under Box 5b, is idered as being part of the disclosure of the mpanying application and is hereby incorporated by
		rence therein.
7.	[X]	Application Data Sheet
8.	[]	CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
9.	[X]	Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
		 a. [X] Computer Readable Form b. [] Specification Sequence Listing on: i. [] CD-ROM or CD-R (2 copies); or ii. [] paper c. [X] Statements verifying identity of above copies
		ACCOMPANYING APPLICATION PARTS
10.	[]	Assignment Papers (cover sheet & document(s))
11.	[]	37 CFR 3.73(b) Statement [] Power of Attorney
12.	[]	English Translation Document (if applicable)
13.	[]	IDS with PTO-1449 [] Copies of IDS Citations
14.	[]	Preliminary Amendment
15.	[X]	Return Receipt Postcard
16.	[]	Request and Certification for Non-Publication. Form PTO/SB/35 is attached.
17.	[]	Certified Copy of Priority Document(s) if foreign priority is claimed
18.	[]	Other:
		IF A CONTINUING APPLICATION, CHECK APPROPRIATE BOXES AND SUPPLY THE REQUISITE INFORMATION
19.	[]	Continuation [] Divisional [] Continuation-in-Part of prior application No.:
	[x]	Complete Application based on provisional Application No. 60/218,125, filed 07-13-2000
Pric	or app	olication information: Examiner: Group Art Unit:

CORRESPONDENCE ADDRESS

20. Correspondence Address: Customer Number 321 Attention: Kathryn J. Doty

Respectfully submitted,

Kathryn J. Doty, Reg. No. 40,593

KJD/rle

FEE TRANSMITTAL

Application Number TBA
Filing Date HEREWITH
Confirmation No. TBA
Inventor(s) Hale et al.
Group Art Unit TBA
Examiner Name TBA
Attorney Docket Number UMO 1531.1

METHOD OF PAYMENT

- 1. [] The Commissioner is hereby authorized to charge the indicated fees to Deposit Account No. 19-1345.
 - [] The Commissioner is hereby authorized to charge any additional fees required under 37 CFR 1.16 and 1.17 to Deposit Account No. 19-1345.
 - [X] Applicant claims small entity status.
- 2. [X] Check Enclosed. The Commissioner is hereby authorized to charge any under payment or credit any over payment to Deposit Account No. 19-1345.

FEE CALCULATION

- 1. [X] BASIC FILING FEE Subtotal (1) \$\,\begin{aligned}
 355.00 \\
 (Type: \,\begin{aligned}
 Utility \,\end{aligned})
- 2. [] EXTRA CLAIM FEES Subtotal (2) \$ 27.00

Total Claims 23
Independent Claims 1
Multiple Dependent Claims ____

- 3. [] ADDITIONAL FEES Subtotal (3) \$_____
 - [] Surcharge late filing fee or oath
 - [] Surcharge late provisional filing fee or cover

sheet

] Extension for reply within _____ month

[] Notice of Appeal

- [] Filing a Brief in Support of an appeal
- [] Request for ex parte Reexamination
- [] Petitions to the Commissioner
- [] Submission of Information Disclosure Statement
-] Recording each patent assignment per property
- [] Request for Continued Examination
- [] Other: _____

TOTAL AMOUNT OF PAYMENT \$ 382.00

Kathryn J. Doty, Reg. No. 40,593

July 9, 2001

Date

KJD/rle